

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069532.D
 Acq On : 22 Jun 2021 22:45
 Operator : VA/SY
 Sample : M2795-07
 Misc : 8.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B4-0-2

Quant Time: Jun 23 04:33:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	441725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	913486	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	949937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	456739	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	312955	56.839	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.680%	
35) Dibromofluoromethane	7.914	113	297402	48.162	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.320%	
50) Toluene-d8	10.338	98	1192979	51.506	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.020%	
62) 4-Bromofluorobenzene	12.626	95	481749	63.266	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.540%	

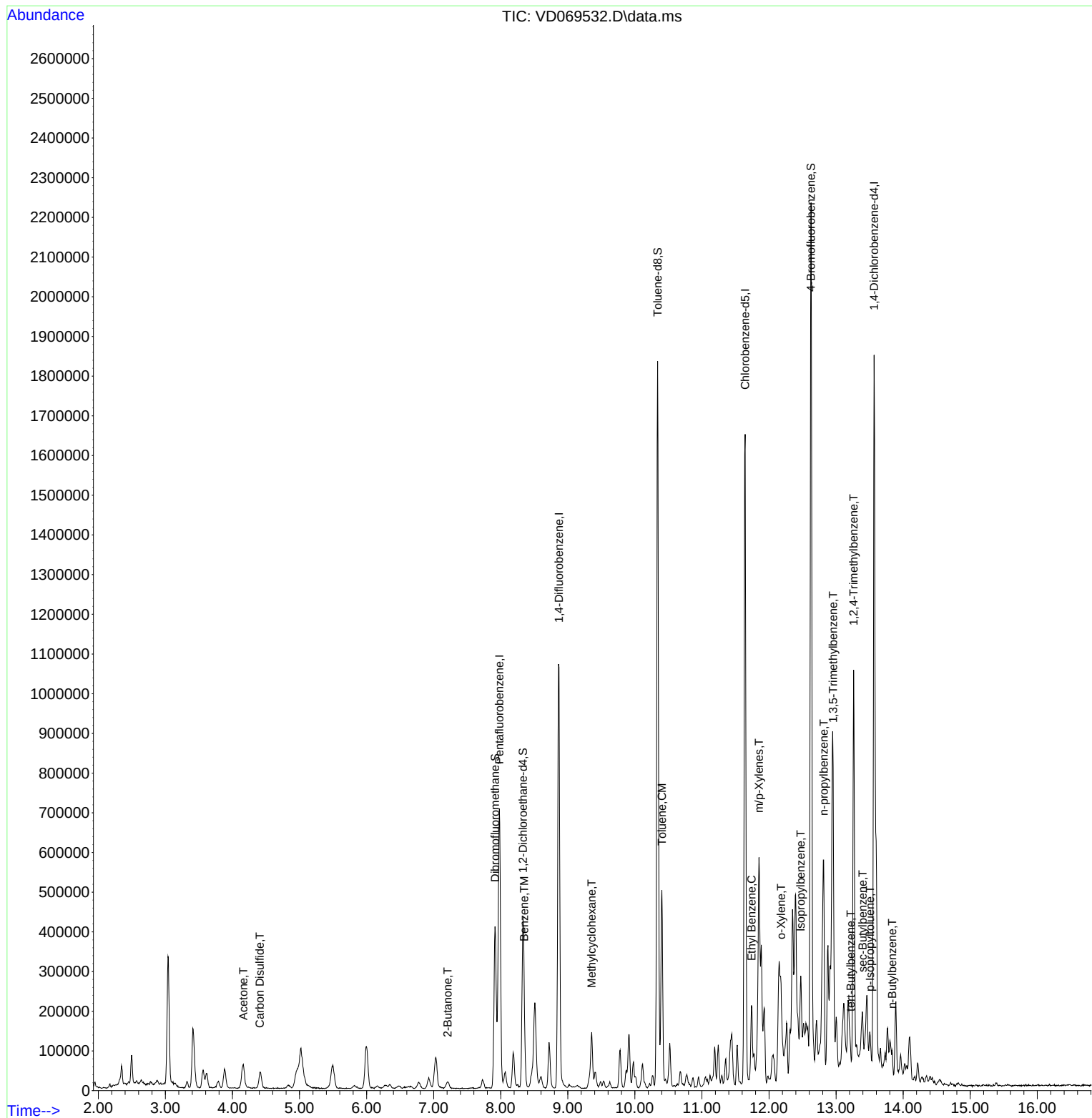
Target Compounds					Qvalue	
16) Acetone	4.162	43	101880	109.932	ug/l	93
17) Carbon Disulfide	4.409	76	87867	6.118	ug/l	99
25) 2-Butanone	7.209	43	16804	14.269	ug/l	96
39) Methylcyclohexane	9.356	83	37730	4.266	ug/l	88
40) Benzene	8.350	78	85602	3.312	ug/l	96
52) Toluene	10.403	92	213949	13.415	ug/l	99
67) Ethyl Benzene	11.738	91	125884	3.814	ug/l	97
68) m/p-Xylenes	11.850	106	99900	8.039	ug/l	99
69) o-Xylene	12.179	106	43925	3.943	ug/l	85
73) Isopropylbenzene	12.473	105	126431	4.018	ug/l	99
78) n-propylbenzene	12.814	91	386033	9.774	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	190022	7.175	ug/l	99
83) tert-Butylbenzene	13.220	119	8025	2.317	ug/l	90
84) 1,2,4-Trimethylbenzene	13.261	105	557750	21.186	ug/l	99
85) sec-Butylbenzene	13.397	105	66814	2.024	ug/l #	64
86) p-Isopropyltoluene	13.508	119	38867	1.398	ug/l	93
89) n-Butylbenzene	13.838	91	38080	1.373	ug/l #	79

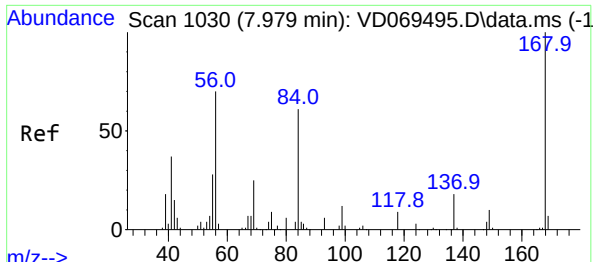
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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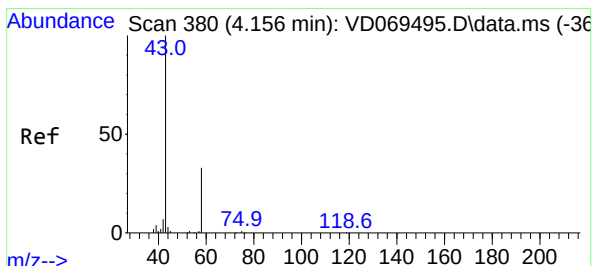
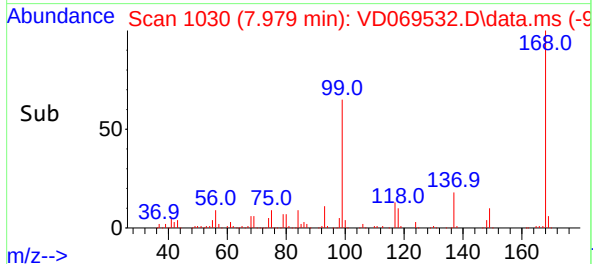
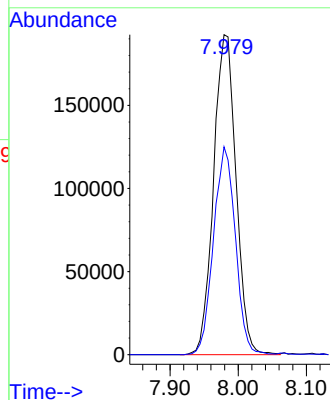
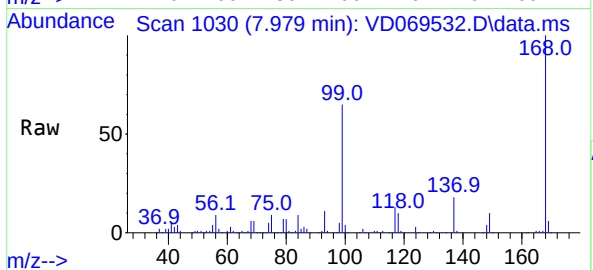




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

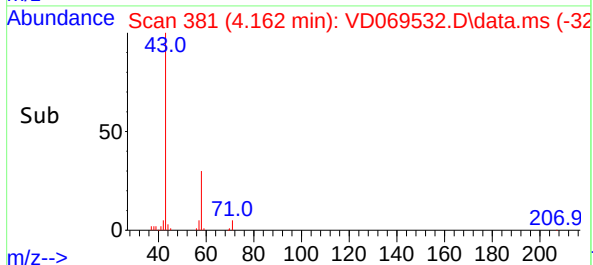
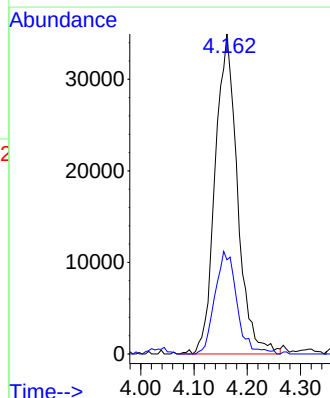
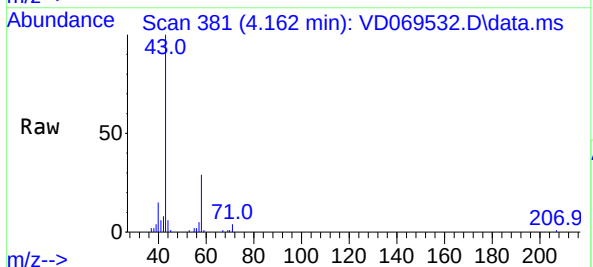
Instrument :
MSVOA_D
ClientSampled :
B4-0-2

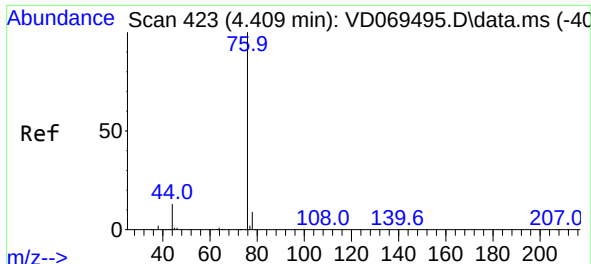
Tgt Ion:168 Resp: 441725
Ion Ratio Lower Upper
168 100
99 65.0 49.3 73.9



#16
Acetone
Concen: 109.932 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

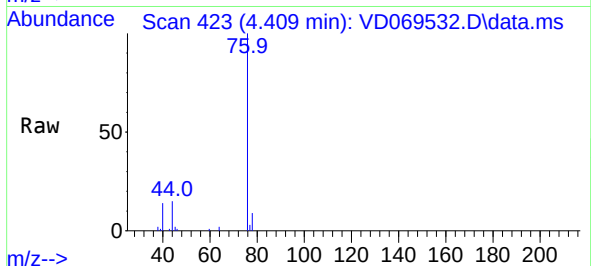
Tgt Ion: 43 Resp: 101880
Ion Ratio Lower Upper
43 100
58 29.5 26.8 40.2



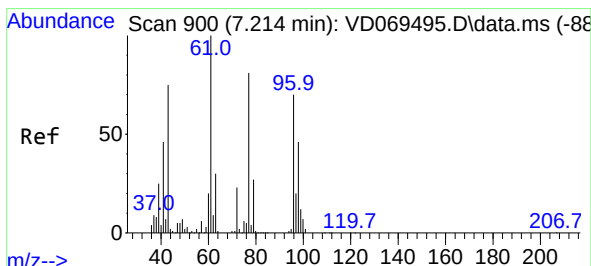
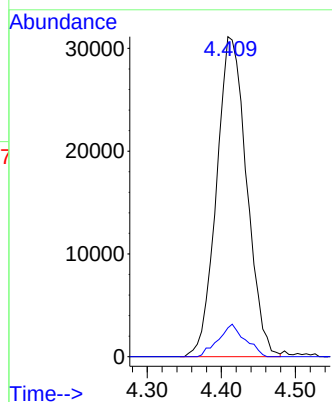
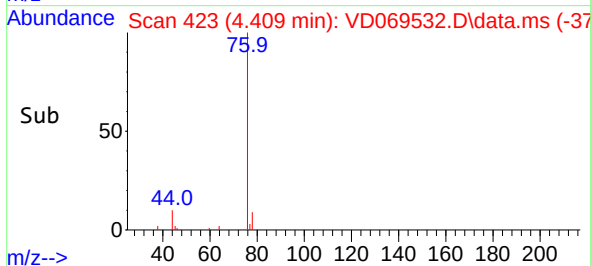


#17
Carbon Disulfide
Concen: 6.118 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

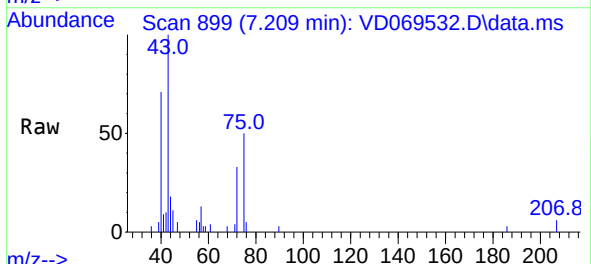
Instrument :
MSVOA_D
ClientSampled :
B4-0-2



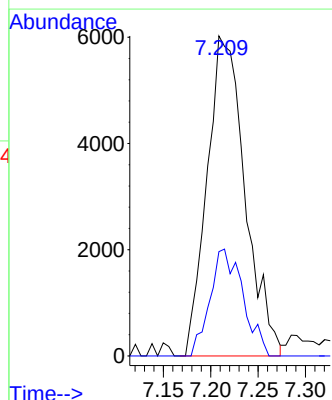
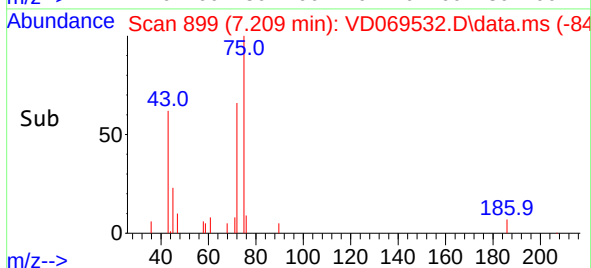
Tgt Ion: 76 Resp: 87867
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4

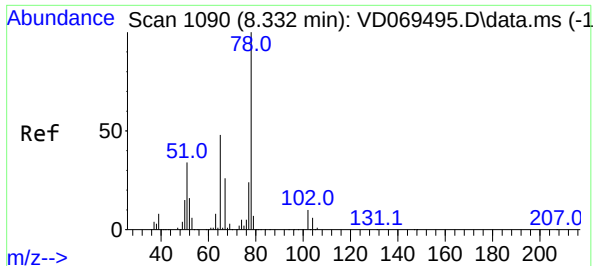


#25
2-Butanone
Concen: 14.269 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45



Tgt Ion: 43 Resp: 16804
Ion Ratio Lower Upper
43 100
72 32.6 24.3 36.5

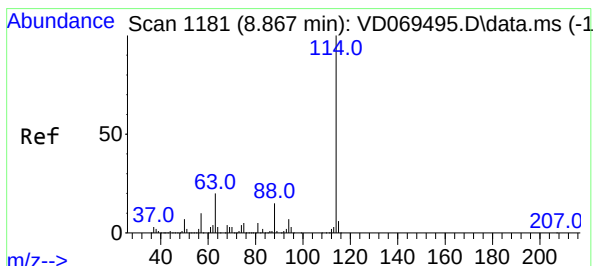
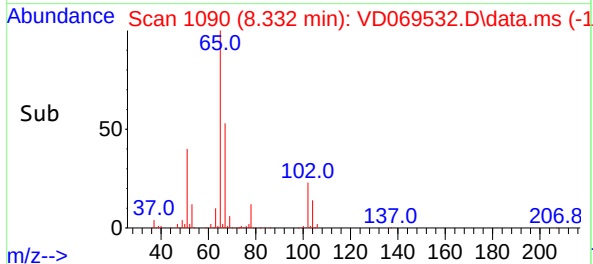
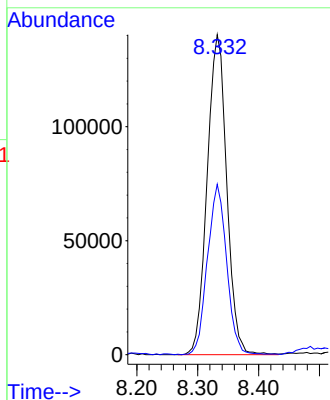
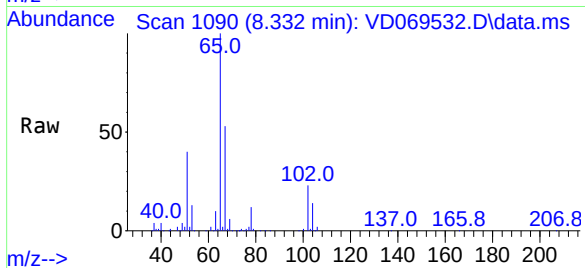




#33
1,2-Dichloroethane-d4
Concen: 56.839 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

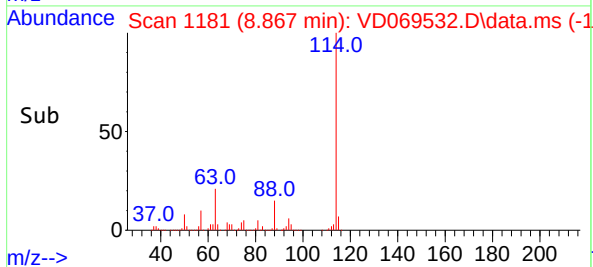
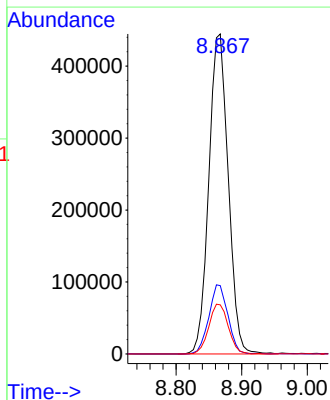
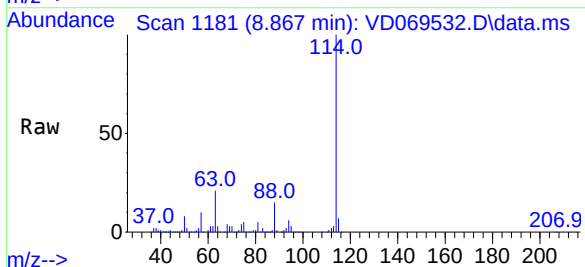
Instrument :
MSVOA_D
ClientSampleId :
B4-0-2

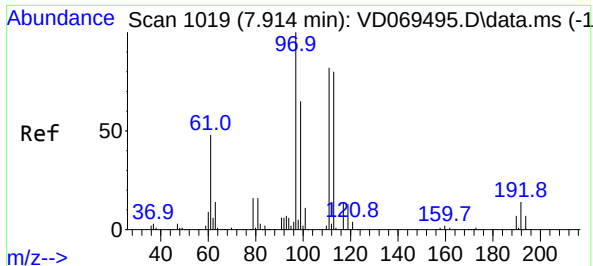
Tgt Ion: 65 Resp: 312955
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

Tgt Ion: 114 Resp: 913486
Ion Ratio Lower Upper
114 100
63 21.3 0.0 39.6
88 15.4 0.0 29.8



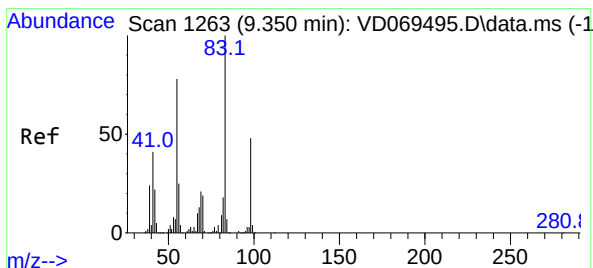
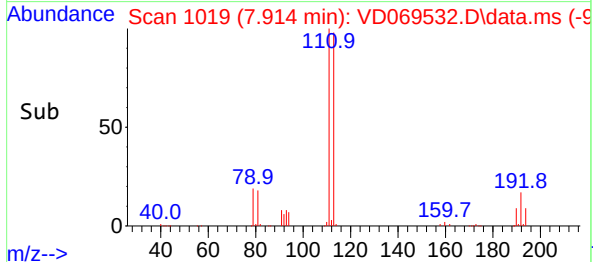
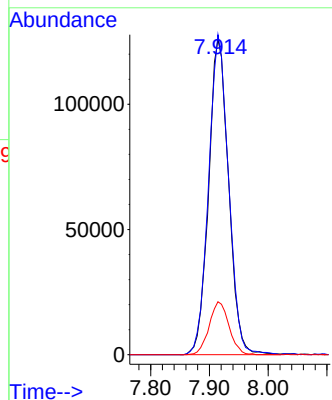
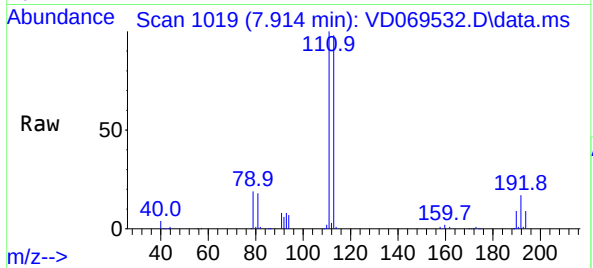


#35
Dibromofluoromethane
Concen: 48.162 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

Instrument :
MSVOA_D
ClientSampleId :
B4-0-2

Tgt Ion:113 Resp: 297402

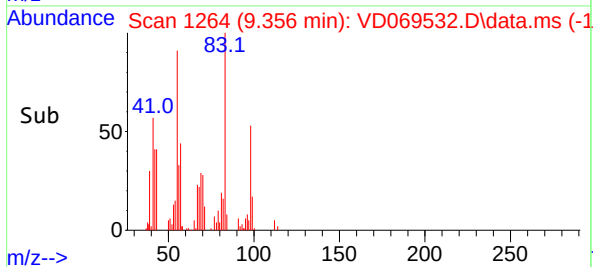
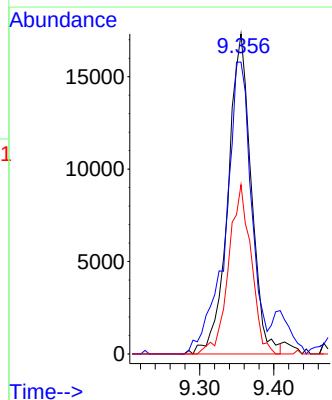
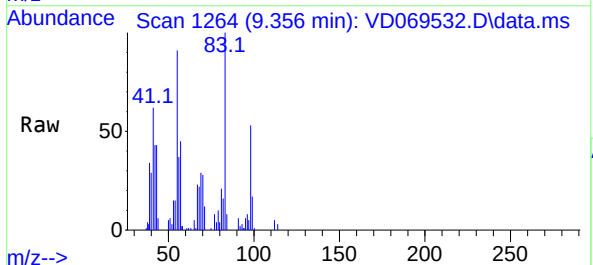
Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.8
192	16.6	13.8	20.6

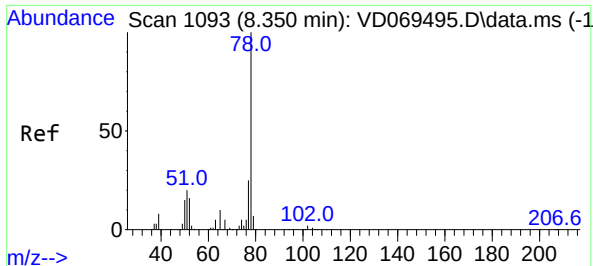


#39
Methylcyclohexane
Concen: 4.266 ug/l
RT: 9.356 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

Tgt Ion: 83 Resp: 37730

Ion	Ratio	Lower	Upper
83	100		
55	91.2	62.6	93.8
98	52.9	38.7	58.1

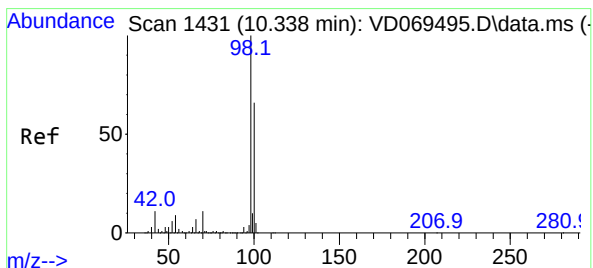
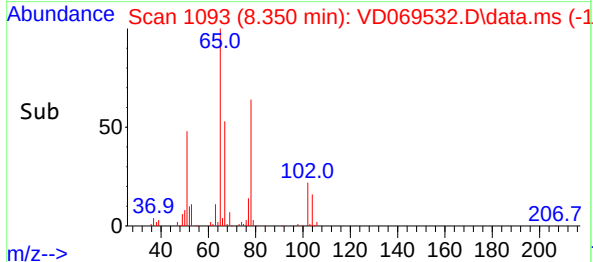
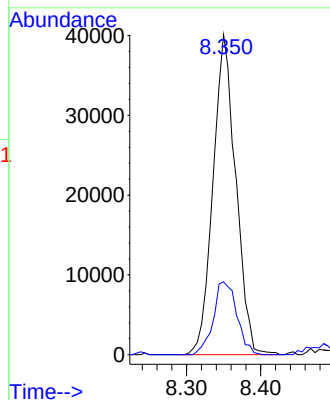
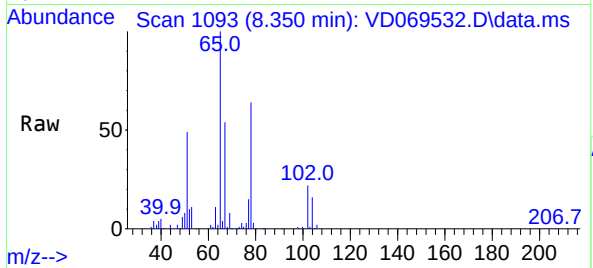




#40
Benzene
Concen: 3.312 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

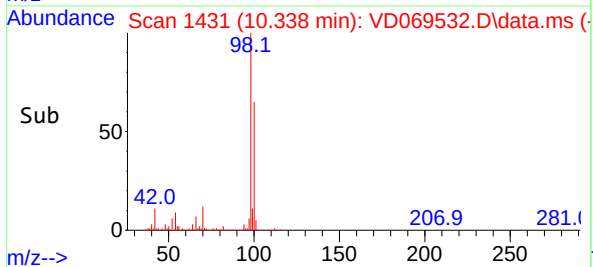
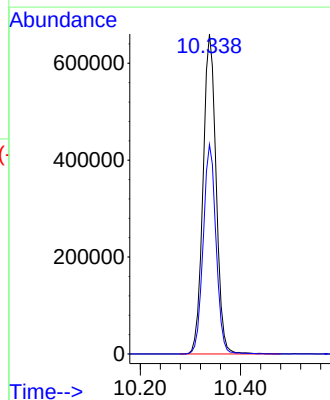
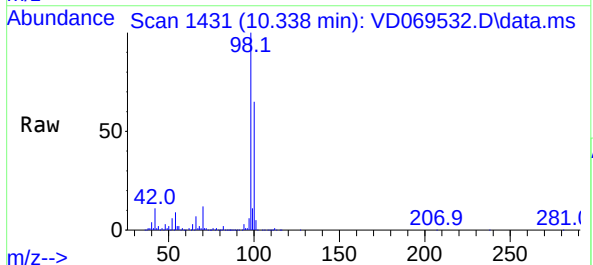
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ClientSampleId :
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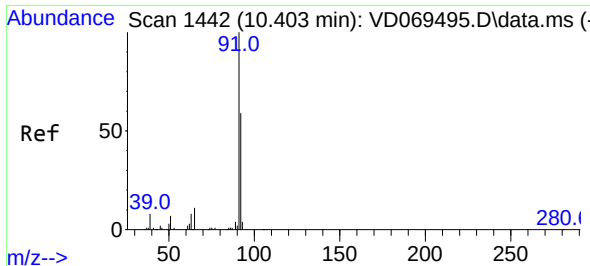
Tgt Ion: 78 Resp: 85602
Ion Ratio Lower Upper
78 100
77 22.8 19.7 29.5



#50
Toluene-d8
Concen: 51.506 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

Tgt Ion: 98 Resp: 1192979
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5

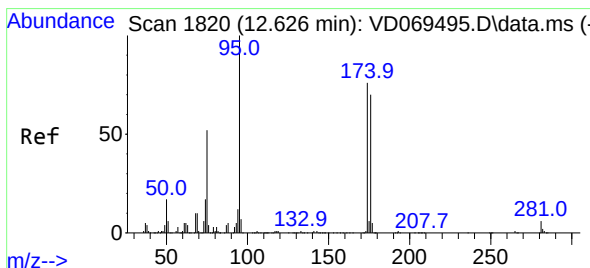
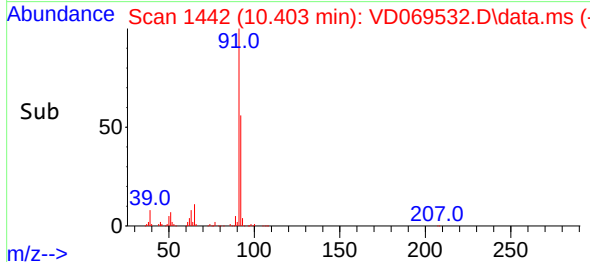
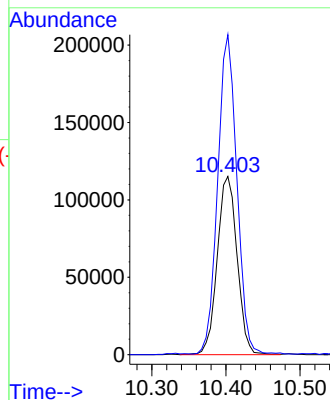
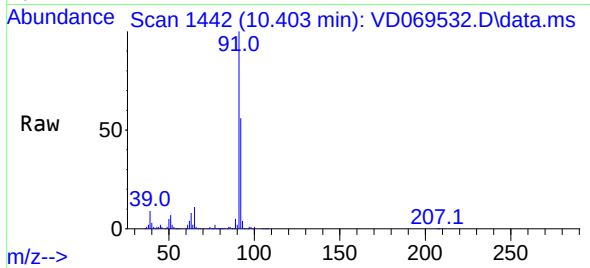




#52
Toluene
Concen: 13.415 ug/l
RT: 10.403 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

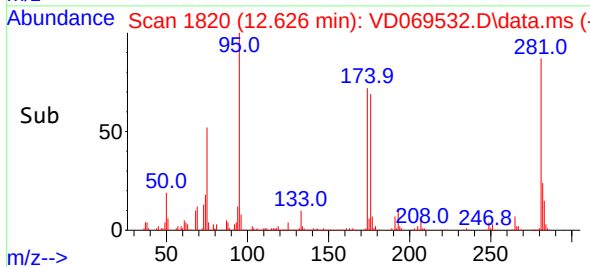
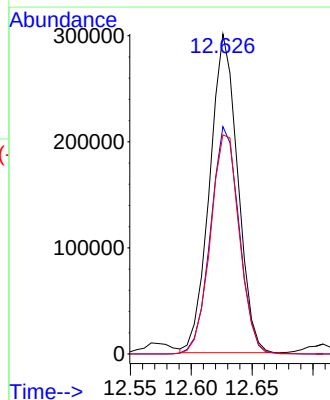
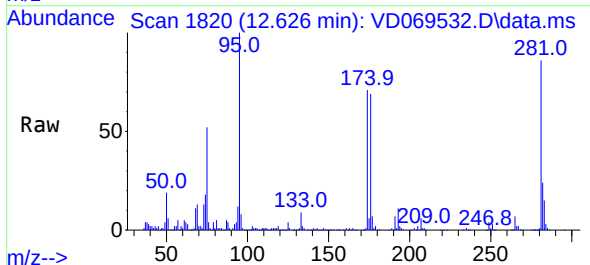
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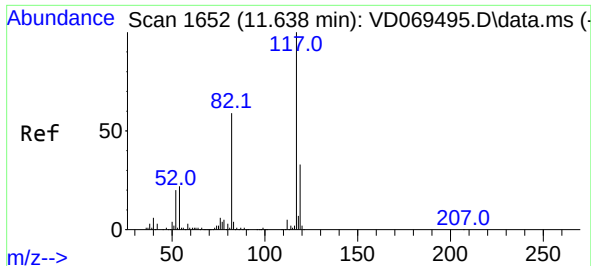
Tgt Ion: 92 Resp: 213949
Ion Ratio Lower Upper
92 100
91 172.8 138.9 208.3



#62
4-Bromofluorobenzene
Concen: 63.266 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

Tgt Ion: 95 Resp: 481749
Ion Ratio Lower Upper
95 100
174 72.7 0.0 148.0
176 71.2 0.0 139.8

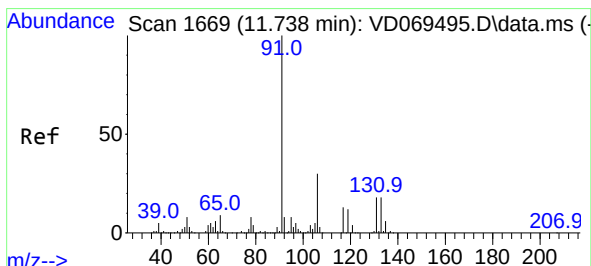
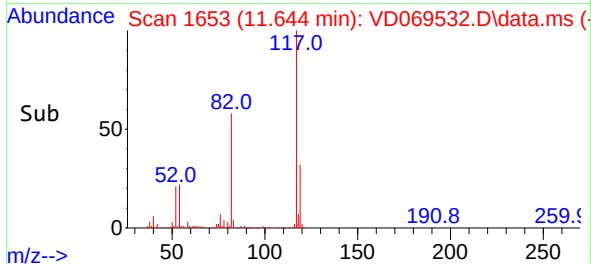
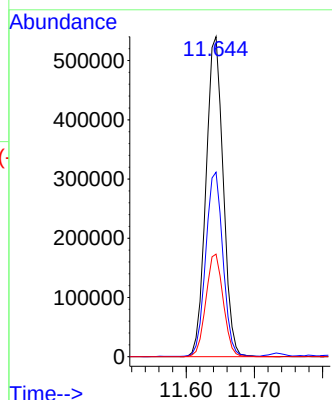
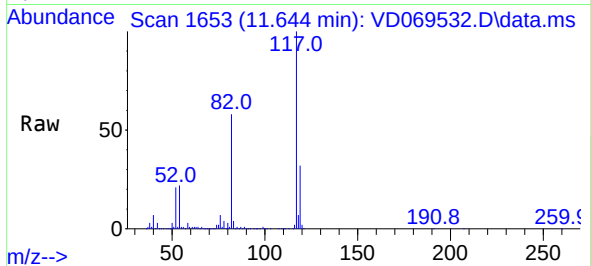




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

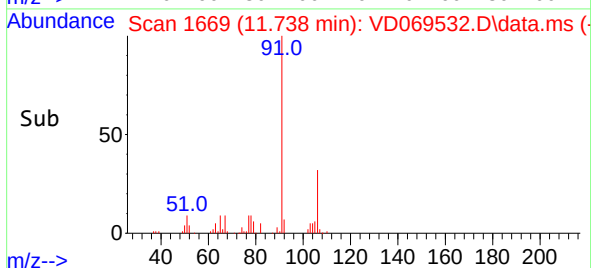
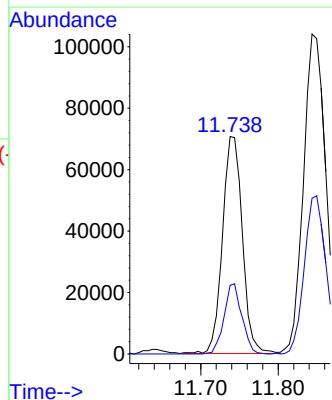
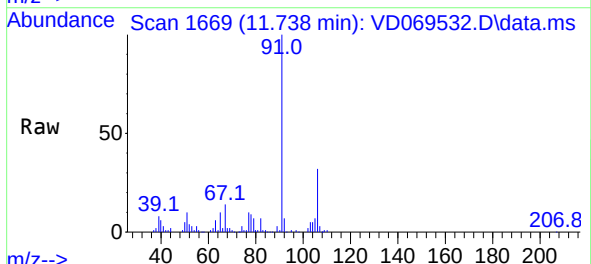
Instrument :
MSVOA_D
ClientSampleId :
B4-0-2

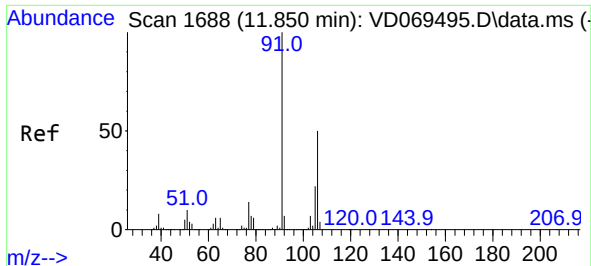
Tgt Ion:	117	Resp:	949937
Ion	Ratio	Lower	Upper
117	100		
82	57.5	46.8	70.2
119	32.0	26.2	39.2



#67
Ethyl Benzene
Concen: 3.814 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

Tgt Ion:	91	Resp:	125884
Ion	Ratio	Lower	Upper
91	100		
106	31.7	24.2	36.4

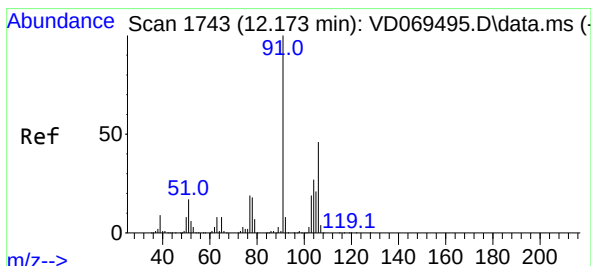
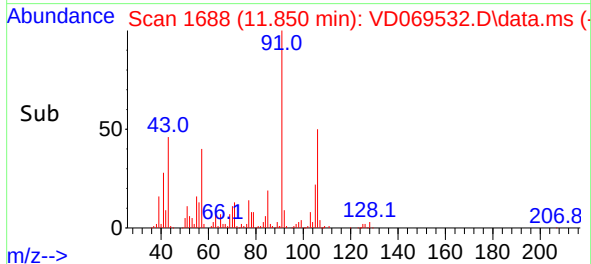
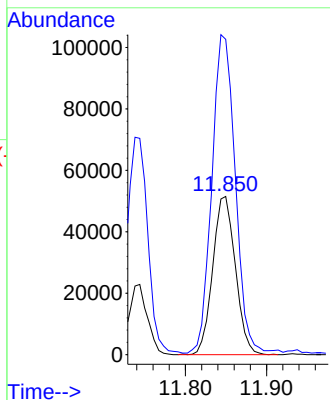
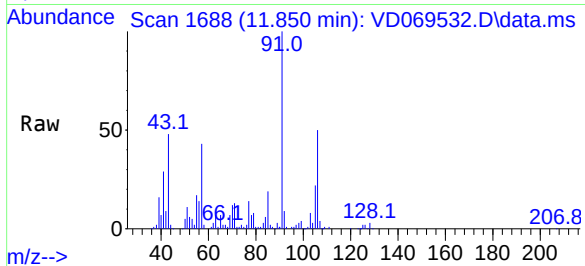




#68
m/p-Xylenes
Concen: 8.039 ug/l
RT: 11.850 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

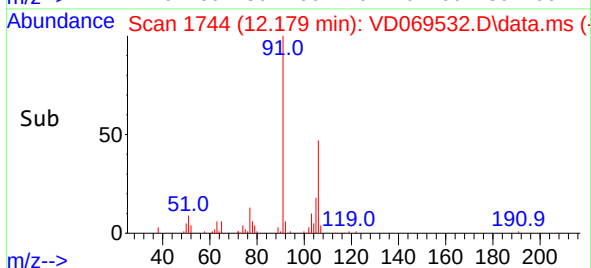
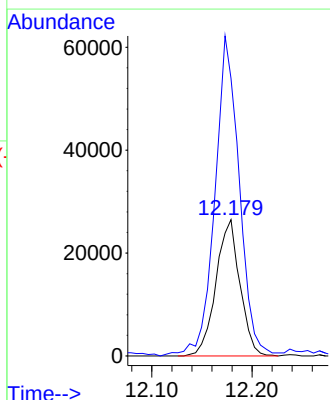
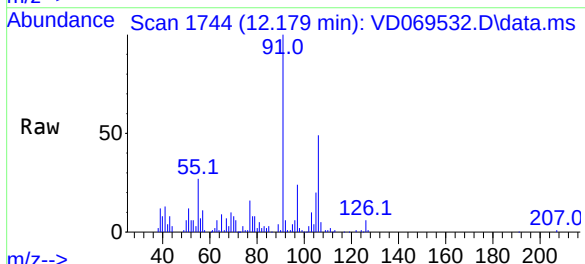
Instrument :
MSVOA_D
ClientSampleId :
B4-0-2

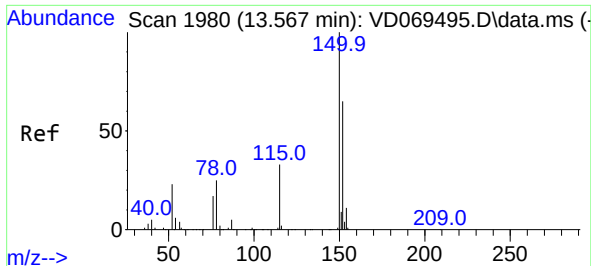
Tgt Ion:106 Resp: 99900
Ion Ratio Lower Upper
106 100
91 207.6 164.2 246.4



#69
o-Xylene
Concen: 3.943 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.006 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

Tgt Ion:106 Resp: 43925
Ion Ratio Lower Upper
106 100
91 239.3 107.7 323.3

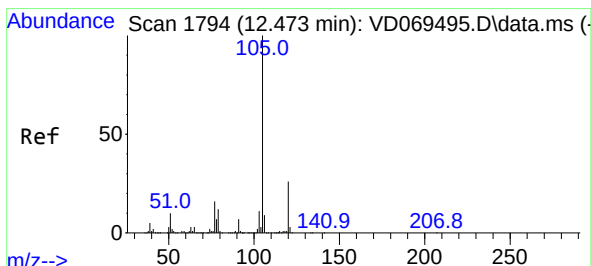
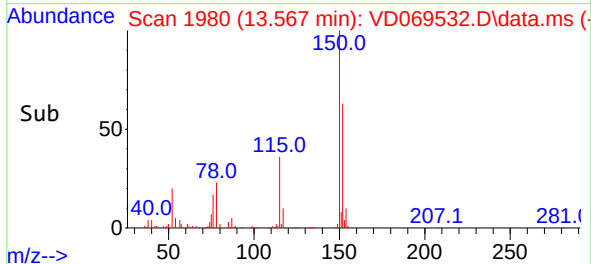
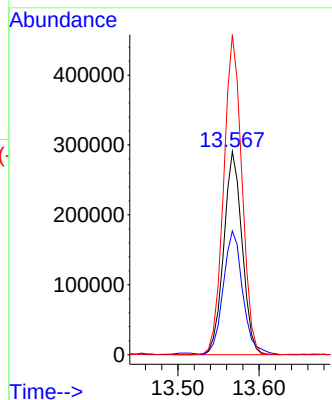
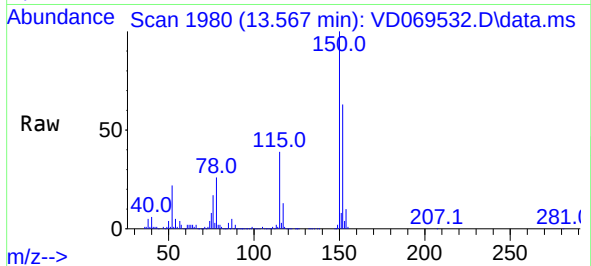




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

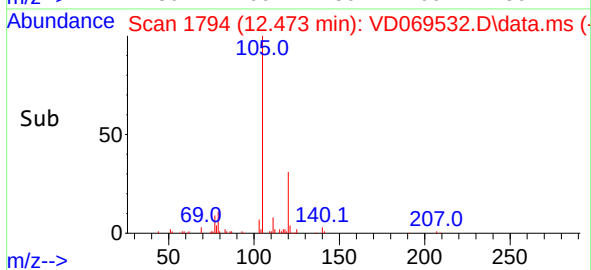
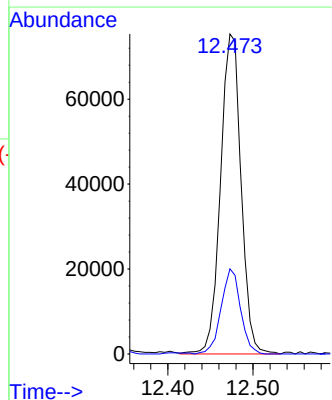
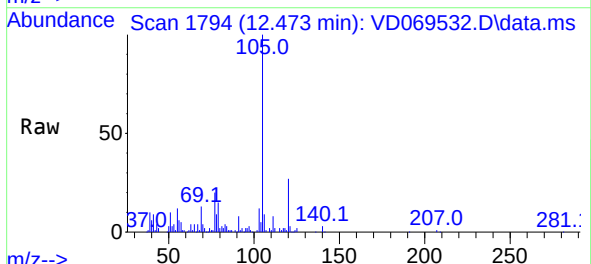
Instrument :
MSVOA_D
ClientSampleId :
B4-0-2

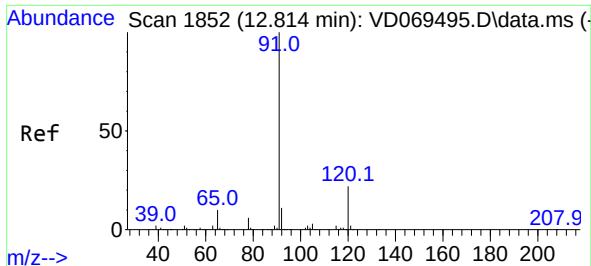
Tgt Ion:152 Resp: 456739
Ion Ratio Lower Upper
152 100
115 64.3 31.7 95.1
150 156.7 0.0 350.8



#73
Isopropylbenzene
Concen: 4.018 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

Tgt Ion:105 Resp: 126431
Ion Ratio Lower Upper
105 100
120 25.1 12.9 38.6

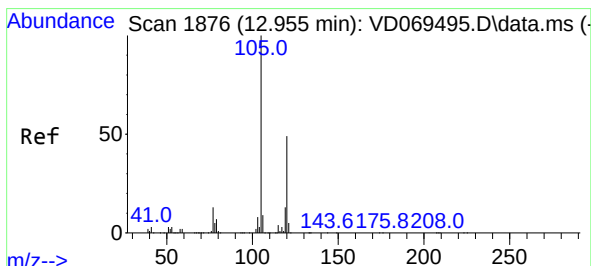
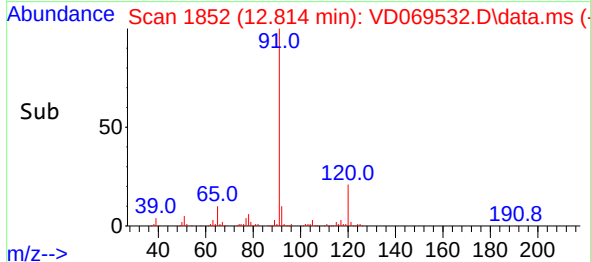
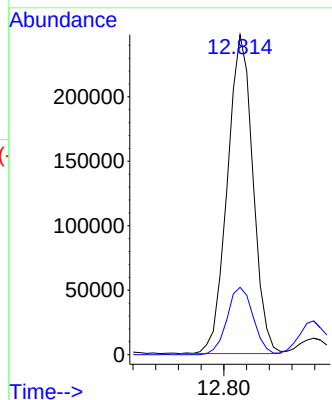
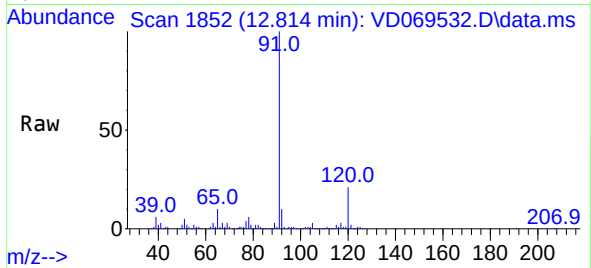




#78
n-propylbenzene
Concen: 9.774 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

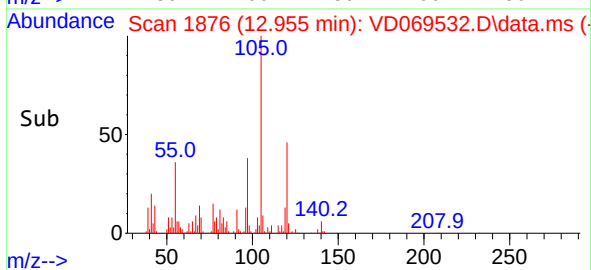
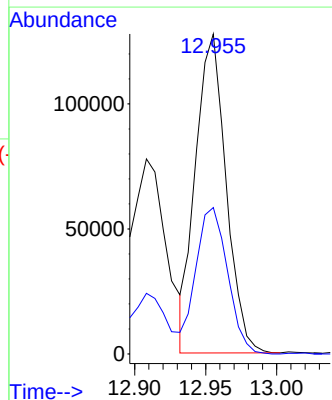
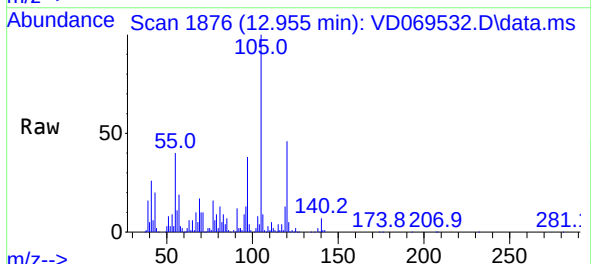
Instrument :
MSVOA_D
ClientSampleId :
B4-0-2

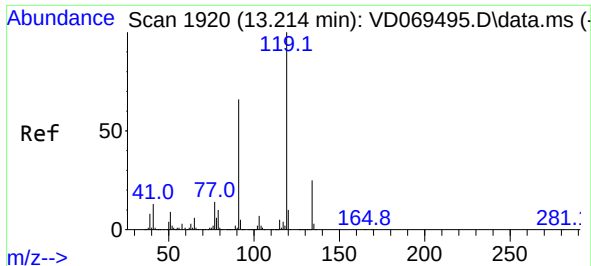
Tgt Ion: 91 Resp: 386033
Ion Ratio Lower Upper
91 100
120 21.7 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 7.175 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

Tgt Ion: 105 Resp: 190022
Ion Ratio Lower Upper
105 100
120 47.7 23.6 70.8

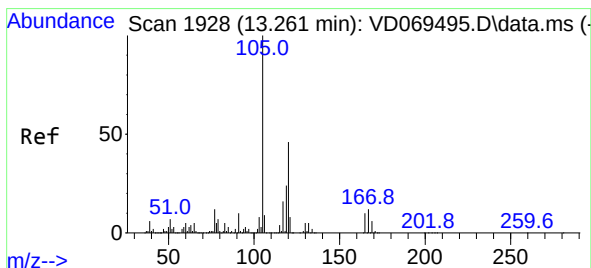
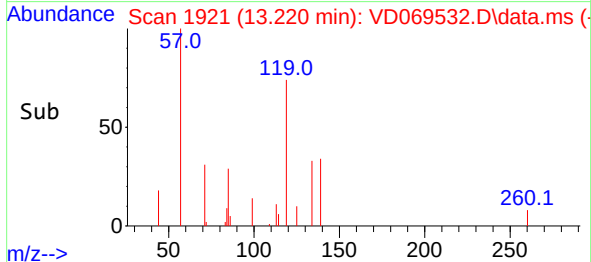
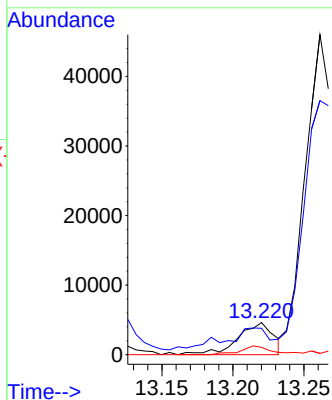
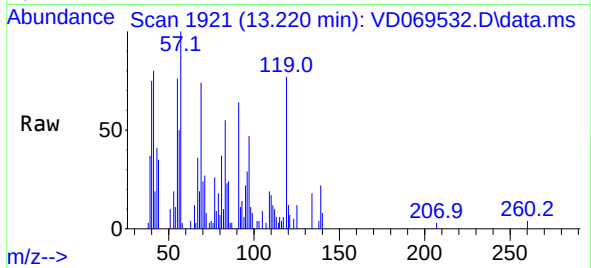




#83
tert-Butylbenzene
Concen: 2.317 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

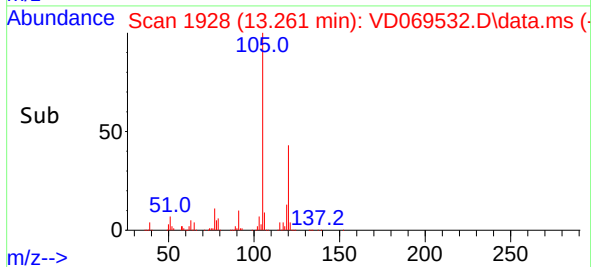
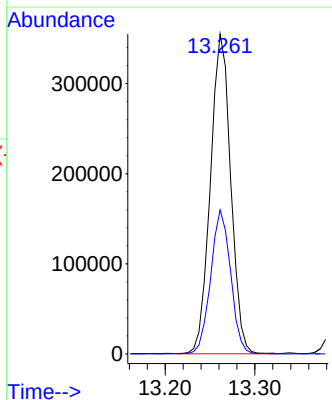
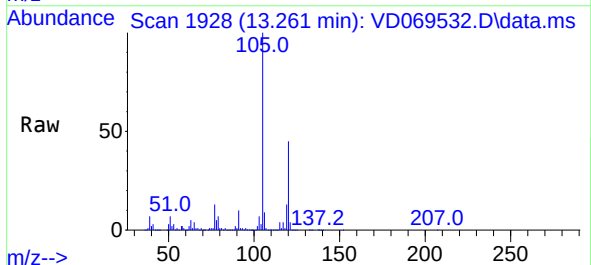
Instrument :
MSVOA_D
ClientSampled :
B4-0-2

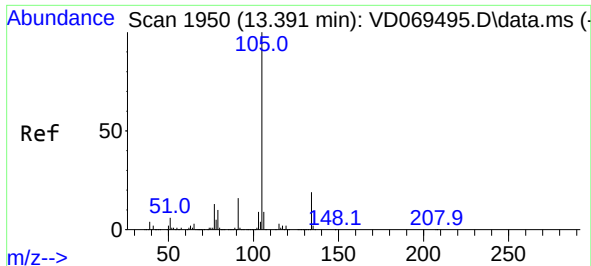
Tgt Ion:119 Resp: 8025
Ion Ratio Lower Upper
119 100
91 55.6 32.5 97.4
134 22.4 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 21.186 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

Tgt Ion:105 Resp: 557750
Ion Ratio Lower Upper
105 100
120 44.3 22.6 67.8

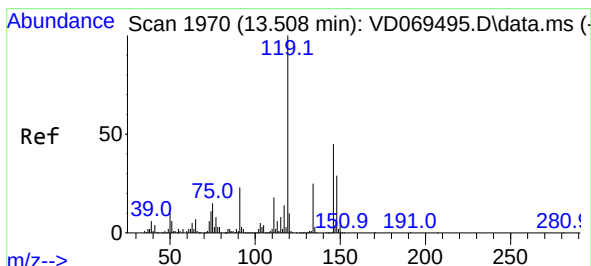
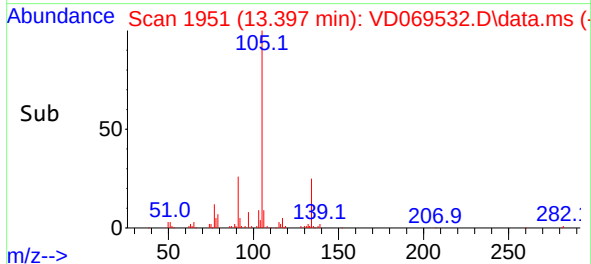
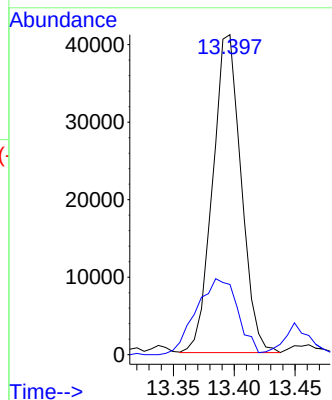
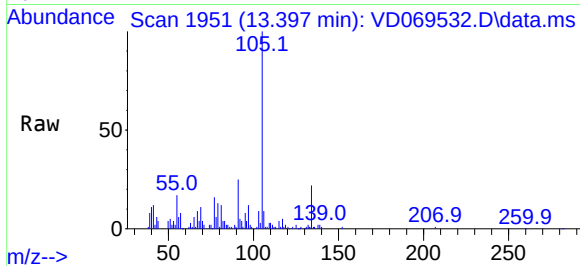




#85
 sec-Butylbenzene
 Concen: 2.024 ug/l
 RT: 13.397 min Scan# 1951
 Delta R.T. 0.006 min
 Lab File: VD069532.D
 Acq: 22 Jun 2021 22:45

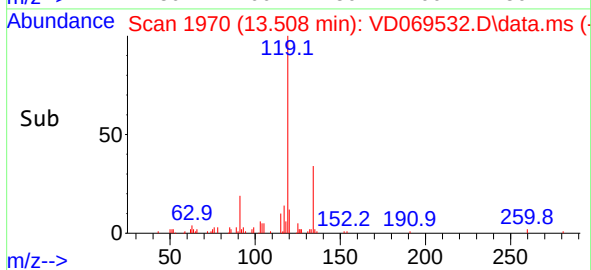
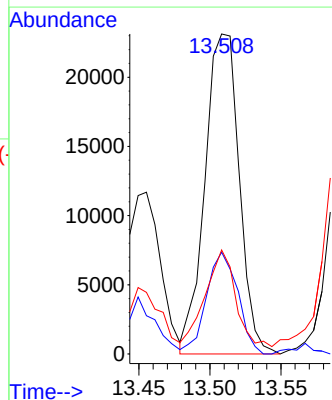
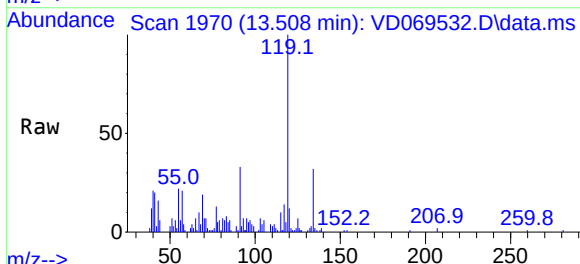
Instrument :
 MSVOA_D
 ClientSampleId :
 B4-0-2

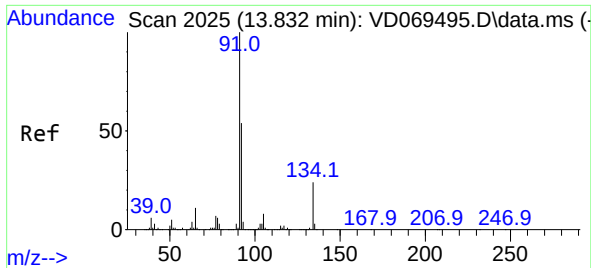
Tgt Ion:105 Resp: 66814
 Ion Ratio Lower Upper
 105 100
 134 35.1 9.5 28.5#



#86
 p-Isopropyltoluene
 Concen: 1.398 ug/l
 RT: 13.508 min Scan# 1970
 Delta R.T. 0.000 min
 Lab File: VD069532.D
 Acq: 22 Jun 2021 22:45

Tgt Ion:119 Resp: 38867
 Ion Ratio Lower Upper
 119 100
 134 29.0 12.6 37.6
 91 26.3 11.8 35.4





#89
n-Butylbenzene
Concen: 1.373 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. 0.006 min
Lab File: VD069532.D
Acq: 22 Jun 2021 22:45

Instrument :
MSVOA_D
ClientSampleId :
B4-0-2

Tgt Ion: 91 Resp: 38080
Ion Ratio Lower Upper
91 100
92 47.0 26.5 79.5
134 0.0 11.9 35.9#

